

What is claimed is:

1. A mounting assembly for securing an elongate object to a metallic support member, said support member including an exposed side, said assembly
5 comprising:

a mount member interposed between said elongate object and said metallic support member, said mount member having a first surface and a second underside surface, said first surface being arranged for
10 supporting engagement with said elongate object and said second surface being adapted for supporting engagement with said exposed side of said metallic support member, said mount member further including at least one tie aperture and a stud aperture;

15 an elongated tie including a strap portion, said strap portion being arranged to be received by said at least one tie aperture in said mount member and further being arranged to circumscribe said elongate object; and

20 a stud weld fastener, said fastener being arranged to be received in said at least one stud aperture and being further arranged to be stud welded to said metallic support member.

2. The assembly of claim 1 wherein said
25 strap portion includes a distal end arranged to extend through said at least one tie aperture and to surround said elongate object.

3. The assembly of claim 1 wherein said mount member includes an angularly extending arm portion,
30 said arm portion including said stud aperture and wherein the said arm portion includes an upper surface area, said upper surface area being relatively flat, said upper surface area arranged to receive said weld stud fastener.

4. The assembly of claim 3 wherein said stud
35 weld fastener includes a supporting extension, a base

portion and at least one radially extending ferrule, said radially extending ferrule being located intermediate the supporting extension and said base portion.

5 5. The assembly of claim 4 wherein said base portion includes a sharply pointed tip structure.

6. The assembly of claim 4 wherein said radially extending ferrule is engagable with said upper surface of said arm portion.

10 7. The assembly of claim 4 wherein said upper surface of said arm portion includes a countersunk portion, said countersunk portion being adapted to receive and seat said radially extending ferrule.

8. The assembly of claim 7 wherein said countersunk portion includes a beveled portion.

15 9. The assembly of claim 8 wherein said stud weld fastener further includes a constricted portion located intermediate said base portion and said at least one radially extending ferrule.

20 10. The assembly of claim 4 wherein said stud weld fastener includes a pair of spaced apart, radially extending ferrules.

25 11. The assembly of claim 10 wherein said upper surface and said underside surface of said arm portion each respectively including a countersunk portion, each of said countersunk portions adapted to receive a respective one of said pair of spaced apart, radially extending ferrules.

30 12. The assembly of claim 1 wherein said stud aperture includes an irregular, generally undulating, inner surface and wherein said stud weld fastener includes an irregular portion configured for mating engagement of said irregular inner surface.

35 13. The assembly of claim 4 wherein said stud aperture includes an annular-reentrant cavity adapted to receive said ferrule.

14. The assembly of claim 1 wherein said mount member includes an open ended loop having first and second end portions shaped and dimensioned to encircle said elongate object;

5 a primary latch structure integrally formed on the first and second end portions for securing the first and second ends to each other to secure the support legs to the elongate element; and

10 a pivotable live hinge positioned between and integrally formed with the first and second end portions.

15. A method of mounting an elongated object to an exposed surface of a metallic support member, said method comprising the steps of:

15 providing an elongated metallic stud weld fastener including a stud weld end portion and an extending end portion arranged for releasable engagement with a stud welding gun;

20 molding a mount member arranged to support said elongated object and being in secured molded relationship with said stud weld fastener;

 configuring said mount member to include a surrounding surface area, said surrounding surface area supporting said stud weld fastener;

25 configuring said mount member to include a support surface for supporting engagement of said elongated object;

 inserting the extending portion of said fastener in said stud welding gun;

30 stud welding said stud weld end portion of said fastener to said metallic support member; and

 securing said elongate object to said mount member.

35 16. The method of claim 15 including the step of severing and removing said fastener extending end portion from said mount member.

17. The method of claim 15 including the steps of:

providing said mount member with at least one tie aperture and an elongated tie including a strap portion arranged to be received by said at least one aperture located in said mount member;

providing a strap locking member in said tie; threading one end of said strap portion through said at least one aperture located in said mount member;

circumscribing said strap around said object; and

securing said strap to said tie locking means.

18. A method of mounting an elongated object to an exposed surface of a metallic support member, said method comprising the steps of:

providing an elongated metallic stud weld fastener including a stud weld end portion and an extending end portion, said extending end portion arranged for releasable engagement with a stud welding gun;

providing an elongate strap member; molding a mount member, having a strap aperture, and being arranged to support said elongated object and further being arranged to receive said stud weld fastener in a stud aperture;

providing a stud welding gun; inserting said stud weld fastener in said stud aperture;

inserting said extending end in a stud welding gun;

stud welding said stud weld fastener to said exposed surface of said metallic support member;

inserting said strap member in said strap aperture; and

circumscribing said elongated object with said strap member.

19. A mounting assembly for securing an elongate object to a metallic support member, said support member including an exposed side, said assembly comprising:

a mount member interposed between said elongate object and said metallic support member, said mount member having a first surface and a second surface, said first surface being arranged for supporting engagement with said elongate object and said second surface being adapted for supporting engagement with said exposed side of said metallic support member, said mount member further including at least one stud aperture; and

a stud weld fastener, said fastener being arranged to be received in said at least one stud aperture and being further arranged to be welded to said metallic support member.

20. The mounting assembly of claim 19 further including at least one snap fit mounting recess located on said mount member.

21. The mounting assembly of claim 20 wherein said at least one snap fit mounting recess includes a compressible tab portion.

22. A method of mounting an elongated object to an exposed surface of a metallic support member, said method comprising the steps of:

providing an elongated metallic stud weld fastener including a stud weld end portion and an extending end portion arranged for releasable engagement with a stud welding gun;

molding a mount member arranged to support said elongated object and being in secured molded relationship with said fastener;

inserting the extending portion of said

fastener in said stud welding gun;
stud welding said stud weld portion of said
fastener to said metallic support member; and
securing said elongate object to said mount
5 member.

23. The method of claim 22 including the step
of severing and removing said fastener extending end
portion from said mount member.